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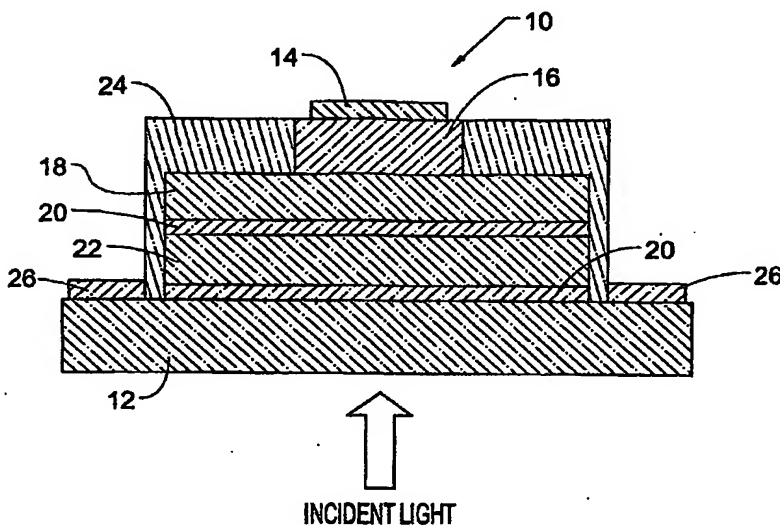
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(54) Title: PIN PHOTODETECTOR



(57) Abstract: A PIN photodetector includes a first semiconductor contact layer, a semiconductor absorption layer having a larger area than the first semiconductor contact layer, a semiconductor passivation layer positioned between the first semiconductor contact layer and absorption layer, and a second semiconductor contact layer. The semiconductor absorption layer and passivation layers are positioned between the first and second semiconductor contact layers.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H01L 31/00, 27/14, 33/00, 31/062, 31/113 US CL : 250/214.1; 257/290, 292, 431 According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 250/214.1; 257/290, 292, 431 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched None Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) None												
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 4,771,325 (Cheng et al.) 13 September 1988 (13.09.1988), see entire document.</td> <td>1-26</td> </tr> <tr> <td>A</td> <td>US 4,625,226 (Antell et al) 25 November 1986 (25.11.1986), see entire document.</td> <td>1-26</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 4,771,325 (Cheng et al.) 13 September 1988 (13.09.1988), see entire document.	1-26	A	US 4,625,226 (Antell et al) 25 November 1986 (25.11.1986), see entire document.	1-26	
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.												
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer: <i>Seung C. Sohn</i> Seung C. Sohn Telephone No. 571-272-2446										